

Converting Colors

$Yxy(90.1505, 0.4077, 0.5110)$

Have a look what the booklet for
Yxy(90.1505, 0.4077, 0.5110)
contains.

Yxy(90.1032, 0.4075, 0.5111)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(90.1032, 0.4075, 0.5111)

Conversions

Conversions Part 1

Format	Color
Hex	F0FF16
RGB	240, 255, 22
RGB Percent	94%, 100%, 9%
CMY	0.0588, 0.0000, 0.9147
CMYK	0.06, 0.00, 0.91, 0.00
HSL	64°, 100%, 54%
HSV	64°, 91%, 100%
XYZ	71.8393, 90.1032, 14.3502
YIQ	223.9530, 65.8530, -75.6430

Conversions

Conversions Part 2

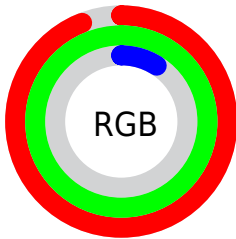
Format	Color
R _Y B	22, 255, 37
Decimal	15793942
CIE Lab	96.04, -27.48, 91.39
CIE LCh	96, 95.432, 106.732
Yxy	90.1032, 0.4075, 0.5111
Android (android.graphics.Color)	4293984022 (0xFFFF0FF16)
YUV	223.9530, -99.5628, 14.0732
Hunter-Lab	94.9227, -31.0226, 57.4825

Details

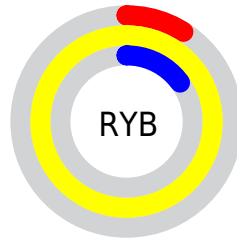
The Yxy color **90.1032, 0.4075, 0.5111** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light washed yellow. A complement of this color would be **8.1725, 0.1559, 0.0667**, and the grayscale version is **75.1756, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7196, 0.3982, 0.4703**, and **49.9719, 0.4025, 0.5186** is the 20% darker color. If you saturate the color by 10%, you get **89.8024, 0.4079, 0.5143**, and if you desaturate by 10%, it is **90.5415, 0.4050, 0.5039**.

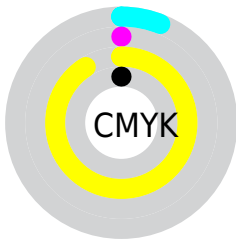
Distribution



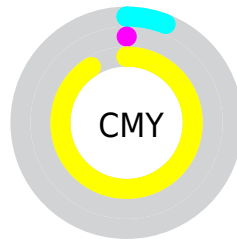
- Red (94%)
- Green (100%)
- Blue (9%)



- Red (9%)
- Yellow (100%)
- Blue (15%)



- Cyan (6%)
- Magenta (0%)
- Yellow (91%)
- Black (0%)





- Cyan (6%)
- Magenta (0%)
- Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 90.1032, 0.4075, 0.5111 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 90.1032, 0.4075, 0.5111 by changing the saturation by 10% instead.


 90.1032, 0.4075,
0.5111


 90.1032, 0.4075,
0.5111


528.3665, 0.3753,
0.4347


 68.0662, 0.4114,
0.5252


 147.4817, 0.3991,
0.4871

 49.9516, 0.4144,
0.5407


 183.5921, 0.3951,
0.4770


 35.3750, 0.4157,
0.5574


 225.1624, 0.3912,
0.4680

 23.9519, 0.4149,
0.5763

 272.5770, 0.3875,
0.4599

 15.2979, 0.4071,
0.5929

 326.2203, 0.3841,
0.4526

 9.0287, 0.3911,
0.6089


386.4767, 0.3810,


 4.7599, 0.3672,


0.4461


0.6328


453.7307, 0.3780,
0.4401


 2.1071, 0.3282,
0.6718


 0.6686, 0.0000,
1.0000


 90.1032, 0.4075,
0.5111


 90.1032, 0.4075,
0.5111

 89.8024, 0.4079,
0.5143


 90.5415, 0.4050,
0.5039


 91.1028, 0.3999,
0.4923


 91.8050, 0.3922,
0.4763


 92.6633, 0.3821,
0.4564

 93.6909, 0.3702,
0.4336

 94.8996, 0.3569,
0.4088

 96.2999, 0.3429,
0.3832

 97.9018, 0.3287,
0.3575

 99.7145, 0.3147,
0.3326

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.1032, 0.4851, 0.4468



90.1032, 0.4075, 0.5111



90.1032, 0.3120, 0.5232

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.1032, 0.4075, 0.5111



90.1032, 0.1411, 0.2298



90.1032, 0.3916, 0.2431

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



90.1032, 0.4075, 0.5111



8.1725, 0.1559, 0.0667

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.1032, 0.2826, 0.1986



90.1032, 0.4075, 0.5111



90.1032, 0.1542, 0.1865

Square

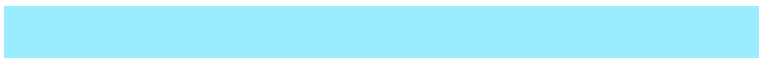
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.1032, 0.4075, 0.5111



90.1032, 0.1619, 0.3196



90.1032, 0.2003, 0.1785



90.1032, 0.4865, 0.3043

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.1032, 0.4075, 0.5111



90.1032, 0.2495, 0.4787



90.1032, 0.2003, 0.1785



90.1032, 0.3542, 0.2259

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



90.1030, 0.4075, 0.5111



95.5017, 0.3507, 0.3974



22.4272, 0.6238, 0.3336



20.3422, 0.3554, 0.4062



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.1030, 0.4075, 0.5111



89.8024, 0.4079, 0.5143



76.0666, 0.3335, 0.5687



21.0278, 0.3259, 0.3525



46.9491, 0.4081, 0.5142



4.5885, 0.4095, 0.5131

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



8.1725, 0.1559, 0.0667



7.3336, 0.1514, 0.0608



14.2712, 0.2194, 0.1013



17.4335, 0.2988, 0.3045



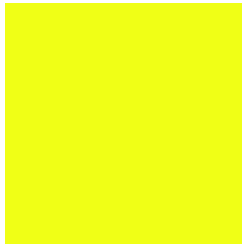
3.8529, 0.1519, 0.0610



0.3938, 0.1563, 0.0635

Previews

White Background



This preview shows how the Yxy color 90.1032, 0.4075, 0.5111 looks on a white background.

Color Contrast Check

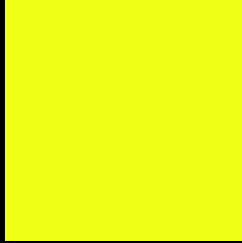
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 90.1032, 0.4075, 0.5111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.1032, 0.4075, 0.5111

Background



This preview shows how black text looks on a background with the Yxy color 90.1032, 0.4075, 0.5111.



This preview shows how white text looks on a background with the Yxy color 90.1032, 0.4075, 0.5111.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



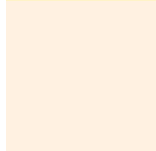
Original Color

90.1032, 0.4075, 0.5111



Protanopia

89.4847, 0.3484, 0.3729



Deuteranopia

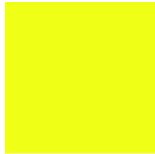
89.6068, 0.3320, 0.3448



Tritanopia

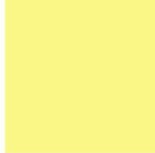
89.5009, 0.3147, 0.3146

Trichromacy



Original Color

90.1032, 0.4075, 0.5111



Protanomaly

88.5948, 0.3822, 0.4394



Deuteranomaly

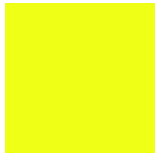
88.4699, 0.3736, 0.4239



Tritanomaly

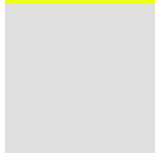
87.8899, 0.3635, 0.4047

Monochromacy



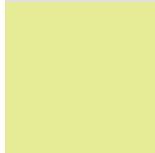
Original Color

90.1032, 0.4075, 0.5111



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

78.4417, 0.3634, 0.4201

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.1032, 0.4075, 0.5111 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(240, 255, 22)` looks like.

```
.text, #text, p{  
    color:rgb(240, 255, 22)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(240, 255, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 255, 22) }
```

Border

The CSS property to change the border of an element to Yxy 90.1032, 0.4075, 0.5111 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(240, 255, 22) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(240, 255, 22) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(240, 255, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 255, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 255, 22);  
box-shadow:4px 4px 4px 4px rgb(240, 255,  
22) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 90.1032, 0.4075, 0.5111$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 255, 22) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(240,  
255, 22) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor